

ORDER FOR SUPPLIES OR SERVICES										PAGE 1 OF 25			
1 CONTRACT/PURCH ORDER/ AGREEMENT NO N65540-15-D-0009			2 DELIVERY ORDER/ CALL NO 0001		3 DATE OF ORDER/ CALL (YYYYMMDD) 2015 Mar 13		4 REQ / PURCH REQUEST NO See Schedule		5 PRIORITY				
6 ISSUED BY NAVAL SURFACE WARFARE CENTER CARDEROCK (b) (6) 5001 S. BROAD STREET PHILADELPHIA PA 19112-5083				7 ADMINISTERED BY (if other than 6) DCMA HAMPTON 2000 ENTERPRISE PARKWAY HAMPTON VA 23666		CODE N65540 S5111A		8 DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)					
9 CONTRACTOR EPSILON SYSTEMS SOLUTIONS, INC. NAME BOB KAUTTER AND 605 COMMERCE ST ADDRESS PORTSMOUTH VA 23707-2002				CODE 1SWQ1 FACILITY		10 DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE		11 MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED		12 DISCOUNT TERMS			
13 MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 15													
14 SHIP TO NAVAL SURFACE WARFARE CENTER CARDEROCK (b) (6) 5001 SOUTH BROAD STREET PHILADELPHIA PA 19112-5083				15 PAYMENT WILL BE MADE BY DFAS COLUMBUS CENTER, SOUTH ENTITLEMENT O P.O. BOX 182264 COLUMBUS OH 43218-2264				MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.					
16 TYPE OF ORDER		DELIVERY/ CALL		<input checked="" type="checkbox"/>		This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract							
		PURCHASE		<input type="checkbox"/>		Reference your quote dated Furnish the following on terms specified herein REF:							
ACCEPTANCE THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME													
NAME OF CONTRACTOR				SIGNATURE				TYPED NAME AND TITLE				DATE SIGNED (YYYYMMDD)	
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:													
17 ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE													
See Schedule													
18 ITEM NO		19 SCHEDULE OF SUPPLIES/ SERVICES				20 QUANTITY ORDERED/ ACCEPTED*		21 UNIT		22 UNIT PRICE		23 AMOUNT	
		SEE SCHEDULE											
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.						24. UNITED STATES OF AMERICA TEL: (b) (6) EMAIL: (b) (6) BY: John P. Stefano						25 TOTAL \$4,284,925.93	
27a QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED						CONTRACTING / ORDERING OFFICER						26 DIFFERENCES	
b SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE						c DATE (YYYYMMDD)		d PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE					
e MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE						28 SHIP NO		29 DO VOUCHER NO		30 INITIALS			
f TELEPHONE NUMBER				g E-MAIL ADDRESS				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		32 PAID BY		33 AMOUNT VERIFIED CORRECT FOR	
36. I certify this account is correct and proper for payment.						31 PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL				34 CHECK NUMBER		35 BILL OF LADING NO	
a DATE (YYYYMMDD)		b SIGNATURE AND TITLE OF CERTIFYING OFFICER											
37 RECEIVED AT		38 RECEIVED BY		39 DATE RECEIVED (YYYYMMDD)		40 TOTAL CONTAINERS		41 S/R ACCOUNT NO		42 S/R VOUCHER NO			

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001			Lot		(b) (4)
	Engineering and Technical Services CPFF in support of the Navy Modernization Programs of Hull Material and Electronics (HM&E) systems from date of award through 12 months. Technical services are further described in the Statement of Work. FOB: Destination				
				ESTIMATED COST	
				FIXED FEE	
				TOTAL EST COST + FEE	(b) (4)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000101			Lot		(b) (4)
	Funding for CLIN 0001				
	CPFF				
	10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 1300473370				
			ESTIMATED COST		
			FIXED FEE		
			TOTAL EST COST + FEE		(b)
	ACRN AE				(b) (4)
	CIN: 130047337000001				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000102			Lot		(b) (4)
	Funding for CLIN 0001				
	CPFF				
	10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 1300473063				
				ESTIMATED COST	
				FIXED FEE	
				TOTAL EST COST + FEE	(b) (4)
	ACRN AD				(b) (4)
	CIN: 130047306300001				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000103			Lot		(b) (4)
	Funding for CLIN 0001				
	CPFF				
	10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 1300478712				
				ESTIMATED COST	
				FIXED FEE	
				TOTAL EST COST + FEE	(b)
	ACRN AF				(b) (4)
	CIN: 130047871200001				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000104			Lot		(b) (4)
	Funding for CLIN 0001				
	CPFF				
	10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 1300478712				
				ESTIMATED COST	
				FIXED FEE	
				TOTAL EST COST + FEE	(b)
	ACRN AG				(b) (4)
	CIN: 130047871200002				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000105			Lot		(b) (4)
	Funding for CLIN 0001				
	CPFF				
	10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 1300478712				
			ESTIMATED COST		
			FIXED FEE		
			TOTAL EST COST + FEE		(b)
	ACRN AH				(b) (4)
	CIN: 130047871200003				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000106			Lot		(b) (4)
	Funding for CLIN 0001				
	CPFF				
	10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 1300482868				
			ESTIMATED COST		
			FIXED FEE		
			TOTAL EST COST + FEE		(b)
	ACRN AK				(b) (4)
	CIN: 130048286800001				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000107			Lot		(b) (4)
	Funding for CLIN 0001				
	CPFF				
	10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 1300473061				
				ESTIMATED COST	
				FIXED FEE	
				TOTAL EST COST + FEE	(b)
	ACRN AC				(b) (4)
	CIN: 130047306100001				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004			Lot		(b) (4)

Support Costs

COST

includes material, travel, incidental subcontracting and other direct costs in support of Items 0001 through 0003 in accordance with the Statement of Work. The estimated costs that will be incurred over the three-year period of the contract is (b) (4) . This cost is a Not-To-Exceed amount.

FOB: Destination

ESTIMATED COST

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000401			Lot		(b) (4)

Funding for CLIN 0004 Support Costs

COST

10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.

FOB: Destination

PURCHASE REQUEST NUMBER: 1300473065

ESTIMATED COST

ACRN AB

CIN: 130047306500001

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000402			Lot		(b) (4)
	Funding for CLIN 0004 Support Costs				
	COST				
	10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 1300478712				
				ESTIMATED COST	
	ACRN AF				
	CIN: 130047871200004				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000403			Lot		(b) (4)
	Funding for CLIN 0004 Support Costs				
	COST				
	10 U.S.C. 2410 is hereby invoked. Funding available for performance through 03/16/2016.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: 1300478712				
				ESTIMATED COST	
	ACRN AJ				
	CIN: 130047871200005				

Section C - Descriptions and Specifications

STATEMENT OF WORK (SOW)**1.0 Objective**

The NSWCCD SSES Machinery In-Service Engineering Directorate, Propulsion and Power Systems Division, Electric Power Systems Branch (Code 938) needs to develop modifications and upgrades to existing electrical installations onboard various US Navy ships, submarine, Military Sealift Command (MSC) and US Army vessels. The contractor shall support electrical systems surveys, inspections, and installations for 60 and 400 Hertz systems, as well as DC power systems and their components on surface ships and submarines.

2.0 Scope of Work

The contractor shall provide services, incidental materials, procedures, facilities and personnel necessary to perform the representative tasks listed below in the ports in which US Navy ships are based: East Coast; West Coast; Hawaii; Japan; Bahrain.

2.0.1 Level of Effort

Cost Elements		Hours
Epsilon Labor Cost		
Program Manager		(b) (4)
Senior Engineer		
Engineer		
Logistician		
QA Specialist		
Senior Engineering Tech		
Senior Engineering Tech (OT)		
Engineering Technician		
Engineering Technician (OT)		
Planner/Estimator		
Planner/Estimator (OT)		
Site Foreman		
Site Foreman (OT)		
Marine Equipment Mechanic		
Marine Equipment Mechanic (OT)		
HVAC Technician		
HVAC Technician (OT)		

Shipfitter/Welder/Burner	(b) (4)
Shipfitter/Welder/Burner (OT)	
Pipefitter/Brazer	
Pipefitter/Brazer (OT)	
Marine Electrician	
Marine Electrician (OT)	
Electronic Technician	
Electronic Technician (OT)	
Machinist	
Machinist (OT)	
Maintenance Trades Helper	
Maintenance Trades Helper (OT)	
Painter/Sandblaster	
Painter/Sandblaster (OT)	
Insulator/Lagger	
Insulator/Lagger (OT)	
TOTAL	72250

2.1 The contractor shall provide support for quality assurance reviews, conduct pre-installation ship checks to verify the accuracy of installation drawings, identify interferences, and identify discrepancies between installation drawings and actual vessel configuration, including verification of the material requirements contained in the drawing in support of Fleet Modernization Ship Change Documents, ORDALTS, SHIPALTS and AERs. Representative tasks are listed in section 2.4 of this statement of work.

2.2 The contractor shall provide the following resources to support development of installation drawings, equipment lists, APLs, PMS and tech manuals for recently approved modernization efforts and future designs in support of CG-(b) and DDG-(b) Class Modernization, and LHD Mid Life Programs. Representative tasks in addition to the one listed in Section 2.3 include:

- LHD-(b) Class Solid State Lighting Upgrades to replace existing incandescent and fluorescent lighting fixtures and bulbs. LHD-(b) in Norfolk and LHD-(b) in San Diego
- LHD-(b) Class and DDG-(b) Class Helicopter Electrical Servicing Station obsolete 28VDC power supply replacements. LHD-(b), DDG-(b), DDG-(b) in Norfolk VA, LHD-(b), DDG-(b) and DDG-(b) in San Diego CA
- DDG-(b) and CG-(b) Class Hangar Bay Solid State Lighting LED and NVIS upgrades DDG-(b) and DDG-(b) in Norfolk VA, CG-(b) and CG-(b) in San Diego CA, CG-(b) and DDG-89 in Yokosuka JA
- LPD-(b) Class Uninterruptible Power Supply Reduction Plan to replace individual UPS with a zonal UPS distribution system. LPD-(b) in Norfolk VA, LPD-(b) and LPD-(b) in San Diego CA
- LHD-(b) and LPD-(b) Hangar Bay Solid State Lighting Upgrades LHD-(b) and LHD-(b) in Norfolk VA and LPD-(b), LPD-(b) and LPD-(b) in San Diego CA

- LHD-(and LSD(b) Class LCAC Servicing Station Modernization to replace obsolete system. LHD-(and LHD(b in Norfolk, LHD-(b LSD-(b and LSD-(b in Sasebo JA
- CVN-(b Class Replacement of obsolete 400HZ Special Frequency Motor Generator Sets with Solid State Frequency Changers. CVN-(b in Norfolk VA, CVN-(b in San Diego CA, and CVN-(b in Bremerton WA

2.3 The contractor shall perform installation support for electrical systems, subsystems modernization efforts, upgrades and prototypes to include: rigging, transportation, mounting, cabling, wiring and electrical interconnections, and quality assurance requirements. The contractor shall also be responsible for acquiring materials to support the task, including machinery and component foundations. Representative tasks include:

- Contractor to develop Transient Voltage Surge Suppressor (TVSS) matrices for installations as required. Contractor to develop installation plans and complete installation on DDG-83, DDG-88, and DDG(b) in San Diego CA, DDG(b) , DDG(b) , and DDG-(b in Norfolk VA, DDG-(b in Pearl Harbor HI and DDG-(b and DDG-(b in Yokosuka JA **AER 60427 applies.**
- Contractor to support replacement of steam turbine fire pumps with 350 horsepower (HP) Variable Speed Drive(s) (VSDs) applicable to LHD-(class ships. Quantity of four (4) 350HP VSD controllers and 350HP induction motors will be installed onboard LHD-(class ships. Contractor will remove all steam piping and lube oil piping no longer required. VSD, 350HP motors and inverter module will be provided as Government Furnished Material (GFM). Installs will be LHD-(in Norfolk VA and LHD-(b in San Diego CA **SCD 6060 applies.**
- Contractor to install **SCD70166** aboard DDG-(b class hulls. This alteration replaces the existing 90kVA Static Frequency Converters with Line Voltage Regulators. Installs to take place on DDG-(b , DDG-(b , and DDG-(b in Norfolk VA, DDG-(b and DDG-(b in Yokosuka JA, and DDG-(b and DDG-(b in San Diego CA.
- Installation of **SCD 255** dual function lighting system in well deck and hangar bay aboard two LHD class ships LHD-(in Norfolk and LHD-(in San Diego.
- Installation of **SCD 1108** dual purpose AESS 400Hz and 270VDC upgrade aboard CVN-(b in Bremerton WA. This upgrade replaces the existing 53 stations with new 90kVA Line Voltage Regulators, 270VDC Rectifiers, and upgraded dual function pushbutton service cables. LVRs, Rectifiers and service cables will be provided as GFM
- Installation of **SCD 1492** 400Hz line Voltage Regulators on flight deck and hangar bay AESS stations aboard LHD(b in Norfolk VA. Line Voltage Regulators and service cables to be provided as GFM

- Installation of **SCD 1497** 270VDC Rectifiers on flight deck and hangar bay AESS stations aboard LHD-~~(b)~~ in Norfolk VA. 270VDC Rectifiers to be provided as GFM.
- Installation of **SCD 11625** Replacement of Bogue Electric 400HZ SABB and CLD with new Thomas and Betts 200 Ampere 400HZ SABBs. 16 Switches will be replaced per ship. DDG-~~(b)~~ , DDG-~~(b)~~ in San Diego will be upgraded. Thomas and Betts switches will be provided as GFM.

2.4 The contractor shall perform inspection and operational testing of HM&E systems aboard various ship classes as listed in section 2.3 of the SOW scheduled for Modernization or Upgrade to document material condition of the systems prior to performing upgrades or modernization. Contractor will provide condition reports to document any deficiencies or actions that need to be taken prior to Installation.

3.0 SPECIFIC CONTRACTOR REQUIREMENTS:

- Alteration installation planning may include some or all of the following items:
 - Provide facilities, equipment, tools and trade personnel to accomplish assigned installations.
 - Conduct pre-installation site surveys/shipchecks on designated ships to identify situational interferences between drawings and specific physical and environmental conditions.
 - Provide necessary shop facilities to prefabricate parts, components, and assemble material, as feasible, prior to shipping to the job site. Provide all tooling required for prefabrication or installation.
 - Provide portable workshops as required to support installation. Provide the necessary tools, equipment and maintenance for the portable workshop.
 - Priming and paint new and disturbed surfaces to match surrounding areas.
 - Replacing all deck coverings and insulation damaged incidental to installation.
 - Repairing all damaged lagging and installing new lagging where appropriate.
 - Preparing and attaching applicable labels/tags to power panels, piping, data cables and power cables.
- Engineering support:
 - Provide design engineering support

- Develop drawings, field sketches, test memorandum, installation procedures, maintenance procedures, etc., as required to accomplish work, and to provide revised or updated documentation reflecting the ship's new configuration.
- Assist in the development of ILS documentation including tech manuals, APLs EOSS and PMS for SCDS, SHIPALTS, and ORDALTS
- Material Support:
 - Provide incidental material in support of installation tasking to include such items as cabling, electrical connection hardware, circuit breakers, motor operated valve actuators, and shock mounts.
 - Provide transportation of material between Government and Contractor's storage facility.
 - Procure and fabricate general structural components, hardware and special tools.
 - Provide services including, but not limited to, the following: gas free engineering, machining, lagging and tooling services common to marine and ship repair facilities.
 - Purchase alteration component items, including specific ship system components related to new configurations.
 - Logistics support to identify drawings and part numbers for stock listing of components and assemblies.

4.0 Deliverables:

4.1 Contractor's Progress, Status & Management Report. The contractor shall provide a monthly progress report, which shall briefly describe the work performed during the reporting period, to include significant results. This report shall describe any problems encountered and propose solutions for their resolution. The report shall further provide the current technical and financial status of the effort, and contain a brief outline of the work envisioned for the ensuing reporting period. Informal appendices shall be included as necessary. The report shall also include the number of man-hours expended by labor category (including a list of specific contractor personnel broken down by labor category) and the miscellaneous support costs incurred during the reporting period and cumulatively. Any subcontractor technical progress and financial expenditures shall be reported separately as attachments to the contractor's progress report. Submission of the report shall be done via electronic mail to the Technical Point of Contact and the Contracting Officer Representative by the 15th of the following month.

4.2 Trip Report. The contractor shall prepare minutes for each meeting attended and trip conducted that are associated with the scope of work paragraph 2.0. The contractor shall include recommendations for design changes, alternative approaches, and future work which would significantly contribute to the technical success of the programs associated with the scope of work.

4.3 Final Report. The contractor shall review contractor-generated and NSWCCD SSES provided data and information, analyze acquired information relative to the specified objectives, and prepare a comprehensive final report describing the reviews and assessments identified in the scope of work paragraph 2.0 above. Clear original graphics shall be prepared to illustrate any ideas and concepts presented in the report. The report shall be prepared in a Microsoft Office format.

4.4 Shipcheck Report. Conduct pre-installation site surveys/shipchecks on designated ships to identify situational interferences between drawings and specific physical and environmental conditions. Include drawings, field sketches, test memoranda, installation procedures, maintenance procedures, etc., as required to accomplish modernization SCDS, SHIPALTS, and ORDALTS.

4.5 QA Workbook. The contractor shall provide one copy of a QA workbook which, at a minimum, meets the requirements of the NSWCCD-SSES alteration installation quality assurance manual, ship installation drawings and in process control procedures (IPCPs) which shall be developed using NAVSEA Standard Items (latest version) which can be found at following website: <http://www.supship.navy.mil/ssrac4/standard.htm>.

5.0 STANDARDS/SPECIFICATIONS

Contractor References. In performing this contract/delivery order, the Contractor is referred to, but not limited to, the following, documents:

- MIL-STDS, MIL-SPECS, and Instructions at www.dodssp.daps.mil.
- Information on Fleet Modernization Program (FMP) at <http://fmpweb.nctsw.navy.mil>.
- Specific information on AIT Technical Specification at <http://fmpweb.nctsw.navy.mil/newdocs/9090310b.html>.
- All non-nuclear work on nuclear powered ships must be in strict compliance with the Naval Sea Systems Command Instruction NAVSEA C9210.4 Series
- Ship Alteration Records (SARs).
- Ship's Installation Drawings (SIDs) and Sketches.
- NAVSEA S9AA0-AB-GSO-010/GOS, General Specification for Overhaul of Surface Navy Ships.
- NAVSEA S9AA0-AA-SPN-010/GEN SPEC, General Specifications for Ships.
- MIL-STD-454, Standard General Requirements for Electronic Equipment.
- NAVSEA Technical Publication S9074-AQ-GIB-010/248, Requirements for Welding and Brazing Procedure and Performance Qualification.
- MIL-STD-1130, (Navy) Bonding and Grounding.
- NAVSEA S9300-AW-EDG-010, Electrical Plant Installation Standard Methods.
- Electrical Workmanship Standards, Portsmouth Naval Shipyard Standard 4855.1 through 4855.6.

- MIL-STD-1689A, Fabrication, Welding and Inspection of Ship Structures.
- MIL-STD-0022, Welded Joint Design.
- NAVSEA S9086-VH-STM-000/CH-635, Thermal Insulation.
- OPNAV Instruction 5100.23B, Navy Occupational Safety and Health (NAVOSH) Manual.
- NAVSEA S9086-D-STM-000/CH-631, for painting.
- NAVSEA 0901-LP-480-0002/CH-9480, for piping systems.
- NAVSEA 0902-LP-018-2010, General Specifications for Deep Diving SSBN/SSN Submarines.
- NAVSEA SL20-AA-MAN-010/020, FMP Management and Operations Manual.
- NAVSEA 0900-LP-003-9000, Radiography Standard for Production and Repair Welds when specifically referenced. NAVSEA 0900-LP-003-8000, Surface Inspection Acceptance Standards for metals.
- NAVSEA Instruction for Metallizing Shafts and Similar Objects. NAVSEA T9074-AS-GIB-010/271, Requirements for Nondestructive Testing Methods. AWS A3.0, American Welding Society Definitions, Terms and Definitions.
- NAVSEA 0948-LP-045-7010, Material-Control Standard (Non-Nuclear).
- NAVSEA 0900-LP-999-9000, Standards for Surface Finish of Flame and Arc Cut Surfaces.
- AWS B4.0, standard Methods of Mechanical Testing of Weld.
- AWS Z49. 1, Safety Welding and Cutting.
- Standards and Interpretations, OSHA Chapter 1915.14, 1915.15 & 1915.16.
- NAVSEA S9086-CH-STM-010/CH-074, Welding and Allied Processes. NAVSEA S9066-CH-STM-030/CH-074. NAVSEA Technical Publication S9074-AR-GIB-010/278. Requirements for Fabrication Welding and Inspection, and Casting Inspection and Repair for Machinery, Piping, and Pressure Vessels.
- NAVSEA Standard Items.
- IEEE Std 610.12-1990, Standard Glossary of Software Engineering Terminology (ANSI).
- NSWCCD Program Office Alteration Quality Assurance Guide
- MIL-STD-2042B, Fiber Optic Cable Topology Installation Standard Methods for Naval Ships
- NAVSEA Information Technology Standard Guidance, Version 99-1, April 99.
- NAVSEA Technical Specification 9090-31OC SHIPALT Accomplishment by Alteration Installation Teams.
- ISO-9001 Quality Systems - Model for Quality Assurance in Design, Development, Production, Installation and Servicing.
- ISO-9002 Quality Systems - Model for Quality Assurance in Production, Installation and Servicing. MIL-1-45208 Inspection System Requirements.
- MIL-Q-9858 Quality Program Requirements.
- NAVSEA NOTICE 5000, Identification of Activities Authorized to Perform SUBSAFE Work. CINCLANTFLT/CINCPACFLTINST 4790.3, Joint Fleet Maintenance Manual.

- NAVSEA 0924-062-0010, Rev. C, Submarine Safety (SUBSAFE) Requirements Manual.
- NAVSEA 0948-LP-045-7010, Material Control Standard.

6.0 SECURITY REQUIREMENTS: The highest level of security required under this delivery order is CONFIDENTIAL as designated on the DD Form 254, attachment to the contract. The Contractor is responsible for acquiring, and maintaining security clearances at the level required under this contract. The Director of Industrial Security, Defense Security Service is the point-of-contact regarding security.

7.0 PLACE OF PERFORMANCE: the ports in which US Navy ships are based: East Coast; West Coast; Hawaii; Japan; Bahrain UAE.

8.0 CLASSIFIED MATERIAL: none

9.0 ESTIMATED COMPLETION DATE: from Award Date through 30 June 2016.

10.0 CONTRACTING OFFICER REPRESENTATIVE (COR): Mr. (b) (6) Code (b) (6)

11.0 RELEASE OF INFORMATION

All technical data provided to the contractor by the government and/or by the contractor for the government shall be protected from public disclosure in accordance with the markings contained therein and paragraph 6.0 above. All other information relating to the items being delivered or services being performed under this delivery order may not be disclosed by any means without prior approval of the authorized representative of the contracting officer. Dissemination or public disclosure includes, but is not limited to: permitting access to such information by foreign nationals or by any other persons on entity, publication or technical or scientific, advertising, or any other proposed public release. The contractor shall provide adequate physical protection to such information so as to preclude access by any person or entity not authorized such access by the Government Code 938, telephone (b) (6)

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Inspection and Acceptance will be performed by the COR, (b) (6)
Center Carderock Division, Philadelphia, PA

Code (b) , Naval Surface Warfare

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0001	POP 16-MAR-2015 TO 30-JUN-2016	N/A	NAVAL SURFACE WARFARE CENTER CARDEROCK CODE (b) (6) 5001 SOUTH BROAD STREET PHILADELPHIA PA 19112-5083 (b) (6) FOB: Destination	N65540
0004	POP 16-MAR-2015 TO 30-JUN-2016	N/A	NAVAL SURFACE WARFARE CENTER CARDEROCK CODE (b) (6) 5001 SOUTH BROAD STREET PHILADELPHIA PA 19112-5083 (b) (6) FOB: Destination	N65540

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AB: 1751810 81LT 251 VU021 0 050120 2D 000000
COST CODE: A00002684615
AMOUNT: (b) (4)
CIN 130047306500001: (b) (4)

AC: 1751810 81LT 251 VU021 0 050120 2D 000000
COST CODE: A00002684465
AMOUNT: (b) (4)
CIN 130047306100001: (b) (4)

AD: 1741810 81LT 251 VU021 0 050120 2D 000000
COST CODE: A00002684520
AMOUNT: (b) (4)
CIN 130047306300001: (b) (4)

AE: 1751804 60BA 257 00060 R 068732 2D C3BFAL
COST CODE: 231705E1BR4P
AMOUNT: (b) (4)
CIN 130047337000001: (b) (4)

AF: 1751804 60BA 257 50054 R 068732 2D CX0136
COST CODE: 500545D0675P
AMOUNT: (b) (4)
CIN 130047871200001: (b) (4)
CIN 130047871200004: (b) (4)

AG: 1751804 60BA 257 42158 068732 2D C50366
COST CODE: 421585089QDP
AMOUNT: (b) (4)
CIN 130047871200002: (b) (4)

AH: 1751804 60BA 257 50054 R 068732 2D CX0157
COST CODE: 500545D0899P
AMOUNT: (b) (4)
CIN 130047871200003: (b) (4)

AJ: 1751804 60BA 257 50054 R 068732 2D CX0159
COST CODE: 500545D0598P
AMOUNT: (b) (4)
CIN 130047871200005: (b) (4)

AK: 1731810 81CJ 251 VU021 0 050120 2D 000000
COST CODE: A00002763160
AMOUNT: (b) (4)
CIN 130048286800001: (b) (4)

Section I - Contract Clauses

INCREMENTAL FUNDING

- (a) This contract is incrementally funded and the amount available for payment hereunder is limited to (b) (4) inclusive of fee. It is estimated that funds will cover the cost of performance through 30 August 2015. Subject to provisions of the clause FAR 52.232-22 – Limitation of Funds (APR 1984) in Section I of this contract, no legal liability on the part of the Government in excess of (b) (4) shall arise unless additional funds are made available and incorporated as a modification of the contract.

Section J - List of Documents, Exhibits and Other Attachments

Attachment 001 for Delivery Order 0001 – Contract Data Requirements List